Grade (2) class: ……………………… Date:……………………………… present :……….. Absent: …………. Students' total number: ………..

						Teacher's Choices						
Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher guide Pages	Teaching strategies strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	How the world works	Chapter 1	lesson 61	**LEARNING OBJECTIVES** Participate in Calendar Math activities. • Compare Egyptian banknotes (1, 5, 10, 20, 50, 100, and 200 LE). •Estimate monetary value of various items. **KEY VOCABULARY** Banknote - Currency • Egyptian pound (LE) • Estimate - • Money **MATERIALS** • Calendar Math area • Poster of the class graph • Large set of Egyptian banknotes (1, 5, 10, 20, 50, and 100 LE	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn** **write the value:** BANKNOTE | VALUE	Pages 24 - 27	Calling Sticks - Relay Race	*-what do you remember about calendars? *-which is greater or	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages 1 - 2	10 + 10 = ……...

Teacher's Self Reflection ☐ Exceeds expectations ☐ Meets expectations ☐ Sometimes Meets Expectations ☐ Below Expectations ☐

Grade (2) class: .... Date:....................................... present :.......... Absent: .... Students' total number: ....

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher's Choices						
						Teacher guide Pages	Teaching strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	How the world works	Chapter 1	lesson 62	**LEARNING OBJECTIVES** Participate in Calendar Math activities. • Combine 1, 5, 10, 20, 50, and 100 LE notes to create a given total. • Discuss different ways to combine banknotes to create a given total **KEY VOCABULARY** Banknote - Currency • Decompose • Egyptian pound (LE) • Equal sets - Money **MATERIALS** • Calendar Math area • Poster of the class graph • Large set of Egyptian banknotes (1, 5, 10, 20, 50, and 100 LE	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn** **(20 LE, 50 LE, or 100 LE). Use your banknotes to create that amount. Write the amount in the first blank. Draw your answer in the second blank** 10 LE = 5 LE | 1 LE | 1 LE | 1 LE | 1 LE | 1 LE	Pages 28 - 31	Calling Sticks - Relay Race	***-what do you remember about calendars?** ***-what is the total** 5 LE 5 LE	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages 3	10 + 10 + 10 + 20 = ...

Teacher's Self Reflection ☐ | Exceeds expectations ☐ | Meets expectations ☐ | Sometimes Meets Expectations ☐ | Below Expectations ☐



Grade (2) class: ……………………… **Date:**……………………………… **present** :……….. **Absent:** …………. **Students' total number**: ……….

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher's Choices						
						Teacher guide Pages	Teaching strategies strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	How the world works	Chapter 1	lesson 63	**LEARNING OBJECTIVES** Participate in Calendar Math activities. • Combine 1, 5, 10, 20, 50, and 100 LE notes to create a given total. • Decompose large denominations of money into smaller denominations. **KEY VOCABULARY** Banknote - Currency • Decompose • Egyptian pound (LE) •denomination - Money **MATERIALS** • Calendar Math area • Poster of the class graph • Large set of Egyptian banknotes (1, 5, 10, 20, 50, and 100 LE	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn** **Use your banknotes to create each amount shown below. Draw the combination of banknotes you used to purchase each item.** 1. Set of books: 28 LE 2. Football: 206 LE	Pages 32 - 34	Calling Sticks - Relay Race	***-what do you remember about calendars?** *- Use your banknotes to create each amount shown below. Draw the combination of banknotes you used to purchase each item. **3. Toy truck: 149 LE**	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages 4 - 5	……… + ……… + ……… + ……. = L.E 35

Teacher's Self Reflection ☐	Exceeds expectations ☐	Meets expectations ☐	Sometimes Meets Expectations ☐	Below Expectations ☐



Grade (2) class: .... Date:...................................... present :.......... Absent: .... Students' total number: ....

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher's Choices							
						Teacher guide Pages	Teaching strategies strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	How the world works	Chapter 1	lesson 64	**LEARNING OBJECTIVES** Participate in Calendar Math activities. • Combine 1, 5, 10, 20, 50, and 100 LE notes to create a given total. • Identify different ways to combine banknotes to create a given total. **KEY VOCABULARY** Review vocabulary as needed. **MATERIALS** • Calendar Math area • Poster of the class graph • Large set of Egyptian banknotes (1, 5, 10, 20, 50, and 100 LE Student sets of banknotes (one set per student) • Mathematics Student Book and pencil	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn** **What is the total money** 1 LE, 1 LE, 1 LE, 1 LE 100 LE, 50 LE, 10 LE, 10 LE, 10 LE	Pages 35 - 37	Calling Sticks - Relay Race	*-what do you remember about calendars? *- What is the total money 100 LE, 50 LE, 1 LE, 1 LE, 1 LE	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages 6 - 7	100 + 200 + 20 + 1 = L.E 35

Teacher's Self Reflection ☐	Exceeds expectations ☐	Meets expectations ☐	Sometimes Meets Expectations ☐	Below Expectations ☐



Grade (2) class: .... Date:..................................... present :.......... Absent: .... Students' total number: ....

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher's Choices							
						Teacher guide Pages	Teaching strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	How the world works	Chapter 1	lesson 65	**LEARNING OBJECTIVES** Participate in Calendar Math activities. • Combine 1, 5, 10, 20,50, and 100 LE notes to create a given total. • Identify different ways to combine banknotes to create a given total. • Add 2-digit and 3-digit numbers without regrouping. **KEY VOCABULARY** Budget **MATERIALS** • Calendar Math area • Poster of the class graph • Large set of Egyptian banknotes (1, 5, 10, 20, 50, and 100 LE Student sets of banknotes (one set per student)	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn** **You have 500 LE to spend at the class store. Buy as many items as you can without going over your budget of 500 LE.** Pack of pencils: 15 LE Plush toy: 57 LE Bicycle: 127 LE Shoes: 450 LE Shirt: 73 LE Ball: 86 LE Jacket: 335 LE Candy: 5 LE Scissors: 9 LE	Pages 38 - 40	Calling Sticks - Relay Race	***-what do you remember about calendars?** ***- You have 500 LE to spend at the class store. Buy as many items as you can without going over your budget of 500 LE.** Board game: 101 Toy: 41 LE Glue: 3 LE Snacks: 17 LE Book: 28 LE Backpack: 292 LE	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages 8 - 10	.... + ... + ... + ... = LE 500

Teacher's Self Reflection ☐ Exceeds expectations ☐ Meets expectations ☐ Sometimes Meets Expectations ☐ Below Expectations ☐



Grade (2) class: .... Date:.................................... present :.......... Absent: .... Students' total number: ....

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher's Choices						
						Teacher guide Pages	Teaching strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	How the world works	Chapter 1	lesson 66	**LEARNING OBJECTIVES** Participate in Calendar Math activities. • Solve one-step story problems involving money. • Add and subtract 2- and 3-digit numbers without regrouping. **KEY VOCABULARY** Review vocabulary as needed. **MATERIALS** • Calendar Math area • Poster of the class graph • Large set of Egyptian banknotes (1, 5, 10, 20, 50, and 100 LE Student sets of banknotes (one set per student)	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn** **(1)My grandmother gave me 55 LE for my birthday. I bought a stuffed bear for 34 LE. How many pounds do I have left?** *** 55 – 34= 21** **(2)Aya saved 33 LE in one month. The next month she saved 24 LE. How much money does Aya have in all?**	Pages 41 - 44	Calling Sticks - Relay Race	***-what do you remember about calendars?** **(3) Mostafa was given 99 LE for his birthday. He bought a new pair of shoes for 86 LE. How many pounds does Mostafa have left?**	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages 11 - 13	29 + 34 = ...

Teacher's Self Reflection ☐	Exceeds expectations ☐	Meets expectations ☐	Sometimes Meets Expectations ☐	Below Expectations ☐



Grade (2) class: ……………………… **Date:**……………………………… **present** :……….. **Absent:** …………. **Students' total number**: ……….

						Teacher's Choices						
Content/ window	**theme**	**Chapter**	**Lesson**	**Learning outcomes**	**Activities**	**Teacher guide Pages**	**Teaching strategies**	**Questions Modeling**	**Digital sources**	**Differentiation / Challenges**	**Math's Journal**	**Enrichment**
Maths	How the world works	Chapter **1**	lesson **67**	**LEARNING OBJECTIVES** Participate in Calendar Math activities. • Apply place value concepts to add and subtract money. • Describe their real-world experiences with money. **KEY VOCABULARY** Value **MATERIALS** • Calendar Math area • Poster of the class graph • Large set of Egyptian banknotes (1, 5, 10, 20, 50, and 100 LE Student sets of banknotes (one set per student) Poster of place value/ money mat	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn** **Use your 1, 10, and 100 LE notes to build the amounts given by your teacher.** Place Value/Money Mat Hundreds 100 LE Tens 10 LE Ones 1 LE	**Pages 45 - 48**	**Calling Sticks - Relay Race**	***-what do you remember about calendars?** **(3) Use your 1, 10, and 100 LE notes to build the following amounts of money** ***- L.E 96** ***- L.E 245** ***- L.E 510**	**Calendar - discovery site**	**Allow students a moment to share their thoughts with a partner.**	**Pages 14**	**……… + ……… + ……… + ……… + ……………= L.E 122**

Teacher's Self Reflection ☐ **Exceeds expectations** ☐ **Meets expectations** ☐ **Sometimes Meets Expectations** ☐ **Below Expectations** ☐



Grade (2) class: ……………………… **Date:**……………………………… **present** :……….. **Absent:** …………. **Students' total number:** ………..

						Teacher's Choices						
Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher guide Pages	Teaching strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	How the world works	Chapter 1	lesson 68	**LEARNING OBJECTIVES** Participate in Calendar Math activities. • Apply place value concepts to subtract money with regrouping. • Subtract 2- and 3-digit numbers with regrouping. **KEY VOCABULARY** Review vocabulary as needed. **MATERIALS** • Calendar Math area • Poster of the class graph • Large set of Egyptian banknotes (1, 5, 10, 20, 50, and 100 LE Student sets of banknotes (one set per student) Poster of place value/ money mat	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn** **Use your 1, 10, and 100 LE notes to solve the addition problems given by your teacher.** Place Value/Money Mat Hundreds 100 LE | Tens 10 LE | Ones 1 LE	Pages 49 - 52	Calling Sticks - Relay Race	***-what do you remember about calendars?** **(3) Use your 1, 10, and 100 LE notes to solve the following addition problems** ***- L.E 21 + L.E 64** ***- L.E 124 + L.E 24** ***- L.E 75 + L.E 175**	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages 15 - 16	28 + 222 = ……………….

Teacher's Self Reflection ☐ Exceeds expectations ☐ Meets expectations ☐ Sometimes Meets Expectations ☐ Below Expectations ☐

Grade (2) class: .... Date:....................................... present :.......... Absent: .... Students' total number: ....

						Teacher's Choices						
Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher guide Pages	Teaching strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	How the world works	Chapter 1	lesson 69	**LEARNING OBJECTIVES** Participate in Calendar Math activities. • Apply place value concepts to subtract money with regrouping. • Subtract 2- and 3-digit numbers with regrouping. **KEY VOCABULARY** Review vocabulary as needed. **MATERIALS** • Calendar Math area • Poster of the class graph • Large set of Egyptian banknotes (1, 5, 10, 20, 50, and 100 LE Student sets of banknotes (one set per student) Poster of place value/ money mat	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn** **Use your 1, 10, and 100 LE notes to solve the subtraction problems given by your teacher.** Place Value/Money Mat Hundreds 100 LE | Tens 10 LE | Ones 1 LE	Pages 53 - 56	Calling Sticks - Relay Race	***-what do you remember about calendars?** **(3) Use your 1, 10, and 100 LE notes to solve the following subtraction problems** ***- 325 LE – 119 LE** ***- 289 LE – 200 LE** ***- 547 LE – 58 LE**	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages 17 - 19	741 – 122 = ...

Teacher's Self Reflection ☐ | Exceeds expectations ☐ | Meets expectations ☐ | Sometimes Meets Expectations ☐ | Below Expectations ☐



Grade (2) class: ……………………… **Date:**……………………………… **present** :……….. **Absent:** …………. **Students' total number**: ……….

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher's Choices							
						Teacher guide Pages	Teaching strategies strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	How the world works	Chapter 1	lesson 70	**LEARNING OBJECTIVES** Participate in Calendar Math activities. • Apply place value concepts to solve story problems involving money. • Add and subtract 2- and 3-digit numbers with regrouping. **KEY VOCABULARY** Review vocabulary as needed. **MATERIALS** • Calendar Math area • Poster of place value/ money mat • Money Story Problem Cards (one set for each group of four or fve students)	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn** **Amirah went to the market and bought milk, eggs, chicken, and apples. She spent 226 LE. On her way home, she bought some coffee for 28 LE. How much money did she spend in all?** **Turn and Talk to your Shoulder Partner about whether this problem is an addition or a subtraction problem. Give a Thumbs Up when you are ready to share your answer and explain your thinking.**	Pages 57 - 60	Calling Sticks - Relay Race	***-what do you remember about calendars?** **Problem A: Omar had 750 LE saved for a bike. The one that he wanted was 625 LE. After he buys the bike, how much money will he have left?** ***- 750 LE – 625 LE** **= L.E 125**	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages 20 - 22	150 + 250 = …………….

Teacher's Self Reflection ☐	Exceeds expectations ☐	Meets expectations ☐	Sometimes Meets Expectations ☐	Below Expectations ☐



Grade (2) class: .... Date:...................................... present :.......... Absent: .... Students' total number: ....

						Teacher's Choices						
Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher guide Pages	Teaching strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	How the world works	Chapter 2	lesson 71	**LEARNING OBJECTIVES** Participate in Calendar Math activities. • Determine whether a number is even or odd. **KEY VOCABULARY** Equal • Even • Left over • Odd • Partners **MATERIALS** Calendar Math area • Even/Odd chart • Sets of 20 counters (one set per pair of students) • Mathematics Student Book and pencil	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn** **Determine if the number is even or odd. Then record it in the chart.** Even: 4, 6, 10 Odd: 7 1 2 3 5 8 9 11 12 13 14 15 16 17 18 19 20	Pages 68 - 72	Calling Sticks - Relay Race	*-what do you remember about calendar? *- Determine if the number is even or odd from the following: 9 , 12 , 34 , 39 , 0 , 100 , 97 , 72 The even numbers are: The odd numbers are:	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages 23 - 24	89 is an (odd – even) number

Teacher's Self Reflection ☐ Exceeds expectations ☐ Meets expectations ☐ Sometimes Meets Expectations ☐ Below Expectations ☐



Grade (2) class: .... Date:...................................... present :........... Absent: .... Students' total number: ....

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher's Choices: Teacher guide Pages	Teaching strategies strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	How the world works	Chapter 2	lesson 72	**LEARNING OBJECTIVES** Participate in Calendar Math activities. • Describe a number as even or odd. • Determine whether doubling a number results in an even or odd sum. **KEY VOCABULARY** Doubles • Sum • Even • Odd **MATERIALS** • Calendar Math area • Even/Odd chart • Sets of 40 counters (one set per pair of students) • Mathematics Student Book and pencil	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn** **Double each number and then determine if the sum is even or odd.** Number / Double / Even or Odd? 1 / 1+1=2 / Even 2 / / 3 / / 4 / / 5 / /	Pages 73 - 77	Calling Sticks - Relay Race	*-what do you remember about calendar? *- Determine if the number is even or odd from the following: 9+9 1+1 10 +10 5+5	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages 25 - 26	8 + 8 = an (odd – even) number

Teacher's Self Reflection ☐ Exceeds expectations ☐ Meets expectations ☐ Sometimes Meets Expectations ☐ Below Expectations ☐



Grade (2) class: ……………………… Date:………………………………… present :………. Absent: …………. Students' total number: ……….

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher's Choices						
						Teacher guide Pages	Teaching strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	How the world works	Chapter 2	lesson 73	**LEARNING OBJECTIVES** Participate in Calendar Math activities. • Find the sum of two numbers. • Determine whether adding an even and an odd number results in an even or odd sum. **KEY VOCABULARY** Addition • Even • Odd • Sum **MATERIALS** • Calendar Math area • Even/Odd chart • Sets of 40 counters (one set per pair of students) • Mathematics Student Book and pencil	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn** **Find the sum of the two number and then determine if the sum is even or odd.** (table: addition operation | Sum | Even or Odd? ; 4+5 | | ; followed by empty rows)	Pages 78 - 81	Calling Sticks - Relay Race	*-what do you remember about calendar? *- Determine if the number is even or odd from the following: 4+6 1+3 9 +10 8+5	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages 27 - 29	8 + 11 = an (odd – even) number

addition operation	Sum	Even or Odd?
4+5		

Teacher's Self Reflection ☐ | Exceeds expectations ☐ | Meets expectations ☐ | Sometimes Meets Expectations ☐ | Below Expectations ☐



Grade (2) class: ……………………… Date:……………………………… present :……… Absent: ………… Students' total number: ………

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher's Choices							
						Teacher guide Pages	Teaching strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	How the world works	Chapter 2	lesson 74	**LEARNING OBJECTIVES** Participate in Calendar Math activities. • Identify the rule for a number pattern. • Extend a number pattern two places. **KEY VOCABULARY** • Pattern • Rule **MATERIALS** • Calendar Math area • Shape pattern poster • Mathematics Student Book and pencil	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn** **Complete the number pattern. Write the next 2 numbers in the pattern.** +2 +2 +2 +2 +2 1. 2, 4, 6, 8, ___, ___ 2. 0, 3, 6, 9, ___, ___	Pages 82 - 85	Calling Sticks - Relay Race	*-what do you remember about calendar? *- Complete the number pattern. Write the next 2 numbers in the pattern. 10, 15, 20, 25, ___, ___	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages 30 - 31	Complete the number pattern. 10 , 20 , 30 , …………… , ……………

Teacher's Self Reflection ☐	Exceeds expectations ☐	Meets expectations ☐	Sometimes Meets Expectations ☐	Below Expectations ☐



Grade (2) class: ……………………… Date:…………………………… present :………. Absent: …………. Students' total number: ……….

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher's Choices						
						Teacher guide Pages	Teaching strategies strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	How the world works	Chapter 2	lesson 75	**LEARNING OBJECTIVES** • Participate in Calendar Math activities. • Apply a rule to create a number pattern up to five places. • Add or subtract to extend a pattern. **KEY VOCABULARY** • Decreased • Increased • Pattern • Rule **MATERIALS** • Calendar Math area • Pattern Rule Cards (one set per group of four students) • Strips of paper (about 10 per group of four students)	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn** **Complete the number pattern. Write the next 5 numbers in the pattern.** *-70, 65, 60, 55, 50, ______ , ______ , ______ , ______ , ______ *- 0 , 3 , 6 , ……………… , …………………… , ………………… , ……………… , …………………	Pages 86 - 89	Calling Sticks - Relay Race	*-what do you remember about calendar? *- Complete the number pattern. Write the next 5 numbers in the pattern. *-20, 18, 16, 14, 12, ______ , ______ , ______ , ______ , ______ *-5, 10, 15, 20, 25, ______ , ______ , ______ , ______ , ______	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages -----------	Complete the number pattern. 90 , 80 , 70 , ……… , ……… , ……… , ……… , ………

Teacher's Self Reflection ☐ Exceeds expectations ☐ Meets expectations ☐ Sometimes Meets Expectations ☐ Below Expectations ☐



Grade (2) class: .... **Date:**....................................... **present** :........... **Absent:** .... **Students' total number**: ....

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher's Choices: Teacher guide Pages	Teacher's Choices: Teaching strategies	Teacher's Choices: Questions Modeling	Teacher's Choices: Digital sources	Teacher's Choices: Differentiation / Challenges	Teacher's Choices: Math's Journal	Teacher's Choices: Enrichment
Maths	How the world works	Chapter 2	lesson 76	**LEARNING OBJECTIVES** • Participate in Calendar Math activities. • Match a rule to a number pattern. • Extend number patterns using a given rule. • Create a pattern rule and matching number pattern. **KEY VOCABULARY** • Decreasing • Increasing • Rule **MATERIALS** • Calendar Math area • Mathematics Student Book and pencil	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn** **For each pattern, identify the rule, draw a line to match the pattern to its rule, and complete the pattern.** Rule: +4 — 59, 52, 45, 38, 31 Rule: +8 Rule: -7 — 26, 30, 34, 38, 42 Rule: -3	Pages 90 - 92	Calling Sticks - Relay Race	**-what do you remember about calendar?** **- match the pattern to its rule** * 1 , 3 , 5 , ... * 22 , 19 , 16 , ... * 0 , 7 , 14 , ... -3 +7 +2	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages 32 - 33	Complete the number pattern. 78 , 73 , 68 , ... , ... , ... , ... , ...

Teacher's Self Reflection ☐	Exceeds expectations ☐	Meets expectations ☐	Sometimes Meets Expectations ☐	Below Expectations ☐



Grade (2) class: ……………………… **Date:**……………………………… **present** :……….. **Absent:** …………. **Students' total number:** ………..

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher's Choices: Teacher guide Pages	Teacher's Choices: Teaching strategies	Teacher's Choices: Questions Modeling	Teacher's Choices: Digital sources	Teacher's Choices: Differentiation / Challenges	Teacher's Choices: Math's Journal	Teacher's Choices: Enrichment
Maths	How the world works	Chapter 2	lesson 77	**LEARNING OBJECTIVES** • Participate in Calendar Math activities. • Identify the rule in a number pattern. • Create addition and subtraction pattern rules. • Extend number patterns to five places using a given rule. **KEY VOCABULARY** • Decreasing • Rule • Increasing • Pattern **MATERIALS** • Calendar Math area • Number Pattern Caterpillar handout • Scissors • Crayons • Glue or glue sticks • Mathematics Student Book and pencil	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn** **Draw arrows and write –2 between each decreasing number in the pattern.** 34 → +4 → 38 → -2 → 36 → +4 → 40 → -2 → 38	Pages 93 - 96	Calling Sticks - Relay Race	**-what do you remember about calendar? **- use the given rule to finish the pattern 34, ___, ___, ___, ___ Rule: +5, –1	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages 34	Complete the number pattern. 10 , 20 , 18 , 28, 26, 36 , ………… , …………

Teacher's Self Reflection ☐	Exceeds expectations ☐	Meets expectations ☐	Sometimes Meets Expectations ☐	Below Expectations ☐



Grade (2) class: ……………………… Date:…………………………………… present :……….. Absent: …………. Students' total number: ……….

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher's Choices						
						Teacher guide Pages	Teaching strategies strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	How the world works	Chapter 2	lesson 78	**LEARNING OBJECTIVES** • Participate in Calendar Math activities. • Define array. • Identify arrays and non-arrays. • Create an array. **KEY VOCABULARY** • Array • Column • Row **MATERIALS** • Calendar Math area • Posters of arrays and non-arrays • Sets of pre-cut squares (one set per student) • Glue or glue sticks • Mathematics Student Book and pencil	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn** ***- We have been learning about different patterns in math. Today I have a new kind of pattern to share with you. It is called an ARRAY** ***- The objects arranged in rows and columns with no gaps. That one is the ARRAY.**	Pages 97- 99	Calling Sticks - Relay Race	****-what do you remember about calendar?** ****- Glue your favorite array that you made today onto this page.** **For example:** *	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages 35 – 36	Make an array in your book

Teacher's Self Reflection ☐	Exceeds expectations ☐	Meets expectations ☐	Sometimes Meets Expectations ☐	Below Expectations ☐



Grade (2) class: .... Date:....................................... present :........... Absent: .... Students' total number: ....

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher's Choices						
						Teacher guide Pages	Teaching strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	How the world works	Chapter 2	lesson 79	**LEARNING OBJECTIVES** • Participate in Calendar Math activities. • Use repeated addition to find the total number of objects in arrays. • Write addition equations to express the total number of objects in an array. **KEY VOCABULARY** • Array • Vertical • Column • Row • Horizontal • Repeated addition **MATERIALS** • Calendar Math area • Ten frame • Mathematics Student Book and pencil	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn** ***- Draw and count as you explain.** 4 4 4 + 4 =	**Pages 100- 103**	**Calling Sticks - Relay Race**	****-what do you remember about calendar?** ***-Count the rows and write the addition equation. Then count the columns and write the addition equation.** Columns___ Rows___	**Calendar - discovery site**	**Allow students a moment to share their thoughts with a partner.**	**Pages 37 – 38**	**Make an array in your book and write the addition equation.**

Teacher's Self Reflection ☐	Exceeds expectations ☐	Meets expectations ☐	Sometimes Meets Expectations ☐	Below Expectations ☐



Grade (2) class: .... Date:.................................... present :.......... Absent: .... Students' total number: ....

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher's Choices						
						Teacher guide Pages	Teaching strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	How the world works	Chapter 2	lesson 80	**LEARNING OBJECTIVES** • Participate in Calendar Math activities. • Write addition equations to express the total number of objects in an array. • Design an array using repeated addition. **KEY VOCABULARY** • Array • Row_• Column • Repeated addition **MATERIALS** • Calendar Math area • Assorted colors of construction paper • Scissors • Glue • Optional: Black markers • Completed array building example • Mathematics Student Book and pencil	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn** ***- Solve the array. Write the equations.** Rows: ________ Columns:________ ______________=_______ ______________=_______ This is a ________ by ________ array.	Pages 104- 107	Calling Sticks - Relay Race	****-what do you remember about calendar?** ***-Create an array, and then trade books with your partner** Rows: _____ Columns:_____ __________=_____ __________=_____ This is a _____ by _____ array.	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages 39	Make an array in your book then solve it.

Teacher's Self Reflection ☐	Exceeds expectations ☐	Meets expectations ☐	Sometimes Meets Expectations ☐	Below Expectations ☐



Grade (2) class: ……………………… Date:…………………………………… present :……….. Absent: …………. Students' total number: ……….

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher's Choices						
						Teacher guide Pages	Teaching strategies strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	How the world works	Chapter 3	lesson 81	**LEARNING OBJECTIVES** • Participate in Calendar Math activities. • Apply strategies to estimate quantities. • Apply strategies to estimate sums and differences. **KEY VOCABULARY** • Difference • Sum • Estimate • Place value • Front-end estimation **MATERIALS** • Calendar Math area • Jar filled with 31 to 75 small objects • Number Cards 0–9 (one set per pair of students) • Mathematics Student Book and pencil	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn** ***-ESTIMATION is a mental math strategy that we can use to help us find the value that is close enough to the actual value using careful thinking or quick calculations. It is not a random guess.** ***-FRONT-END ESTIMATION. That means we just look at the front of the number, or the highest place value. We do not look at the other places.**	Pages 116 119	Calling Sticks - Relay Race	****-what do you remember about calendar?** ***-use Front-end estimation to estimate the result of :** ***- 54 + 32=** **50 + 30 =** **80** ***- 95 - 46=** **90 - 40 =** **50** ***- 72 + 29=** **70 + 20 =** **90**	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages 40	*-use Front-end estimation to estimate the result of *- 44 - 38=

Teacher's Self Reflection ☐	Exceeds expectations ☐	Meets expectations ☐	Sometimes Meets Expectations ☐	Below Expectations ☐



Grade (2) class: ……………………… **Date:**…………………………………… **present** :……….. **Absent:** …………. **Students' total number:** ………..

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher's Choices						
						Teacher guide Pages	Teaching strategies strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	How the world works	Chapter 3	lesson 82	**LEARNING OBJECTIVES** • Participate in Calendar Math activities. • Round 2-digit numbers to the nearest Ten. • Round two 2-digit numbers to estimate their sum. **KEY VOCABULARY** • Difference • Rounding • Estimation • Sum • Front-end estimation • Place value **MATERIALS** • Calendar Math area • Two sets of number cards (30 through 40/70 through 80 and 20 through 30/50 through60) • Mathematics Student Book and pencil	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn** ***-To get our estimate closer to the exact answer, we can use an estimation strategy called ROUNDING. When we ROUND numbers, we make it easier to mentally add or subtract them.** ***- 39 is nearest to (30 or 40)** ***- 32 is nearest to (30 or 40)**	Pages 120 125	Calling Sticks - Relay Race	****-what do you remember about calendar?** ***-use the rounding to the nearest ten to estimate the result of :** ***- 58 + 34=** **60 + 30 =** **90** ***- 82 - 46=** **80 - 50 =** **30** ***- 21 + 29=** **20 + 30 =** **50**	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages 41	*-use the rounding to the nearest ten to estimate the result of : *- 35 + 23=

Teacher's Self Reflection ☐	Exceeds expectations ☐	Meets expectations ☐	Sometimes Meets Expectations ☐	Below Expectations ☐



Grade (2) class: ……………………… **Date:**……………………………… **present** :……….. **Absent:** …………. **Students' total number:** ………..

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher's Choices: Teacher guide Pages	Teaching strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	How the world works	Chapter 3	lesson 83	**LEARNING OBJECTIVES** • Participate in Calendar Math activities. • Apply estimation strategies in problem-solving situations. • Estimate sums and differences. • Round 3-digit numbers to the nearest Hundred. **KEY VOCABULARY** • Difference • Rounding • Estimation• Sum • Front-end estimation **MATERIALS** • Calendar Math area • Set of 3-digit number cards • Estimating Sums and Differences Cards (one set per small group) • Mathematics Student Book and pencil	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn** **Show your work and record your estimates in the box that matches the problem. Circle the estimation strategy you used.** A. Front-end estimation Rounding B. Front-end estimation Rounding	Pages 126 130	Calling Sticks - Relay Race	**-what do you remember about calendar? *-use the (rounding and Front-end) to estimate the result of : Front-end *- 58 + 34= 50 + 30 = 80 rounding *- 58 + 34= 60 + 30 = 90	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages 42 - 43	use the (rounding and Front-end) to estimate the result of : 63 - 49

Teacher's Self Reflection ☐	Exceeds expectations ☐	Meets expectations ☐	Sometimes Meets Expectations ☐	Below Expectations ☐



Grade (2) class: ……………………… **Date:**………………………………… **present** :……….. **Absent:** …………. **Students' total number**: ……….

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher's Choices: Teacher guide Pages	Teaching strategies strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	How the world works	Chapter 3	lesson 84	**LEARNING OBJECTIVES** • Participate in Calendar Math activities. • Add 2-digit numbers with regrouping. • Explain why it is sometimes necessary to regroup to solve problems. **KEY VOCABULARY** • Estimation • Place value • Regrouping **MATERIALS** • Calendar Math area • Large place value mat • Sets of bundled and loose straws (one set per small group of students) • Tape • Mathematics Student Book and pencil	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn** **Use the place value mat to solve the addition problems.** **Record your answers.** 52 + 27 = ☐ Tens | Ones	Pages 131 - 134	Calling Sticks - Relay Race	**-what do you remember about calendar? *- Use the place value mat to solve the addition problems. 56 + 29 = ____ 28 + 28 = ____	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages 44 - 47	Use the place value mat to solve the addition problems. 23 + 19

Teacher's Self Reflection ☐	Exceeds expectations ☐	Meets expectations ☐	Sometimes Meets Expectations ☐	Below Expectations ☐



Grade (2) class: .... Date:....................................... present :.......... Absent: .... Students' total number: ....

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher's Choices						
						Teacher guide Pages	Teaching strategies strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	How the world works	Chapter 3	lesson 85	**LEARNING OBJECTIVES** • Participate in Calendar Math activities. • Use place value models to regroup and add. • Add two 2-digit numbers with regrouping. **KEY VOCABULARY** • Place value • Regrouping **MATERIALS** • Calendar Math area • Objects for measurement review • Large place value mat • Sets of bundled and loose straws (one set per small group of students) • Tape • Mathematics Student Book and pencil	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn** **Solve the addition problems. Use straws or drawings to help you regroup.** 18 + 24 = ________ Tens | Ones	Pages 135 - 137	Calling Sticks - Relay Race	**-what do you remember about calendar? *- Solve the addition problems. Use straws or drawings to help you regroup. 32 + 18 = ______ 47 + 37 = ______ 53 + 26 = ______	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages 48 - 51	Use straws or drawings to help you regroup.75 + 19

Teacher's Self Reflection ☐	Exceeds expectations ☐	Meets expectations ☐	Sometimes Meets Expectations ☐	Below Expectations ☐



Grade (2) class: ……………………… **Date:**………………………………… **present :**……….. **Absent:** …………. **Students' total number:** ……….

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher guide Pages	Teaching strategies strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
						Teacher's Choices						
Maths	How the world works	Chapter 3	lesson 86	**LEARNING OBJECTIVES** • Participate in Calendar Math activities. • Use place value models to regroup and add. • Add two 3-digit numbers with regrouping. **KEY VOCABULARY** • Review vocabulary as needed. **MATERIALS** • Calendar Math area • Objects for measurement review • Large place value mat • Mathematics Student Book and pencil	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn** 52 + 63 = Hundreds / Tens / Ones Hundreds / Tens / Ones 52 + 63 = 115	Pages 138 - 141	Calling Sticks - Relay Race	**-what do you remember about calendar? *- Find the result with regrouping 84 + 43= …………. 94 + 31= …………. 55 + 62= …………. 27 + 81= ………….	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages 52 - 53	Find the result with regrouping 82 + 76

Teacher's Self Reflection ☐	Exceeds expectations ☐	Meets expectations ☐	Sometimes Meets Expectations ☐	Below Expectations ☐



Grade (2) class: .... Date:.................................... present :........... Absent: .... Students' total number: ....

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher guide Pages	Teaching strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
						Teacher's Choices						
Maths	How the world works	Chapter 3	lesson 87	**LEARNING OBJECTIVES** • Participate in Calendar Math activities. • Add two 2-digit numbers with regrouping. • Apply mental math strategies to solve an addition problem involving regrouping. **KEY VOCABULARY** • Place value • Regrouping **MATERIALS** • Calendar Math area • Objects for measurement review • Large place value mat • Mathematics Student Book and pencil	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn** 156 + 265 = Hundreds / Tens / Ones 156 + 265 = 421	Pages 142 - 145	Calling Sticks - Relay Race	**-what do you remember about calendar? *- Find the result with regrouping 185 + 231= .... 422 + 219= .... 255 + 368= .... 207 + 138=	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages 54- 57	Find the result with regrouping 628 + 299

Teacher's Self Reflection	Exceeds expectations	Meets expectations	Sometimes Meets Expectations	Below Expectations
☐	☐	☐	☐	☐

Grade (2) class: .... Date:...................................... present :........... Absent: .... Students' total number: ....

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher's Choices						
						Teacher guide Pages	Teaching strategies strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	How the world works	Chapter 3	lesson 88	**LEARNING OBJECTIVES** • Participate in Calendar Math activities. • Add 1-, 2-, and 3-digit numbers with and without regrouping. • Use place value models to regroup and add. • Check answers to identify errors and misconceptions. **KEY VOCABULARY** • Place value • Regrouping **MATERIALS** • Calendar Math area • Objects for measurement review • Large place value mat • Mathematics Student Book and pencil	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn** **249 + 185 =** ***- 9+5= 14 ones = 1 ten and 4 ones** ***- 4+8+1= 13 tens = 1 hundred and 3 tens** ***- 1 + 2 + 1 = 4 hundreds** ***- The total = 4 hundred , 3 tens and 4 ones = 434**	Pages 146 - 148	Calling Sticks - Relay Race	****-what do you remember about calendar?** ***- Find the result with regrouping** **• 381 + 494** **• 724 + 247** **• 555 + 284**	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages 58- 59	Find the result with regrouping • 789 + 174

Teacher's Self Reflection ☐	Exceeds expectations ☐	Meets expectations ☐	Sometimes Meets Expectations ☐	Below Expectations ☐



Grade (2) class: .... Date:.. present :........... Absent: .... Students' total number: ....

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher's Choices						
						Teacher guide Pages	Teaching strategies strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	How the world works	Chapter 3	lesson 89	**LEARNING OBJECTIVES** • Participate in Calendar Math activities. • Add 2- and 3-digit numbers with regrouping. • Make connections between concrete and abstract models of regrouping. **KEY VOCABULARY** • Efficient **MATERIALS** • Calendar Math area • Objects for measurement review • Large place value mat • Mathematics Student Book and pencil	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn** **136 + 28 = ______** Hundreds | Tens | Ones | 1 | 1 | 3 | 6 + | 2 | 8 1 | 6 | 14 **136 + 28 =164**	**Pages 149- 152**	**Calling Sticks - Relay Race**	**-what do you remember about calendar?** **- Find the result with regrouping** • **362 + 191** • **158 + 26** • **419 + 390** • **47 + 82** • **226 + 281**	**Calendar - discovery site**	**Allow students a moment to share their thoughts with a partner.**	**Pages 60- 61**	**Find the result with regrouping** **875 + 25**

Teacher's Self Reflection ☐	Exceeds expectations ☐	Meets expectations ☐	Sometimes Meets Expectations ☐	Below Expectations ☐



Grade (2) class: .... Date:..................................... present :.......... Absent: .... Students' total number: ....

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher's Choices						
						Teacher guide Pages	Teaching strategies strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	How the world works	Chapter 3	lesson 90	**LEARNING OBJECTIVES** • Participate in Calendar Math activities. • Identify and correct errors in estimation and regrouping problems. • Add 1-, 2-, and 3-digit numbers with and without regrouping **KEY VOCABULARY** • Detective • Error • Estimation • Regrouping **MATERIALS** • Calendar Math area • Objects for measurement review • Posters showing "student" work • Mathematics Student Book and pencil	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn:** **check the solve of the problem (right – wrong)** Problem 1: 123 + 59 = 172 Problem 2: Round 35 to the nearest ten. 30 Problem 3: 99 + 8 = 107	Pages 153 - 156	Calling Sticks - Relay Race	**-what do you remember about calendar? *- check the solve of the problem (right – wrong) Round to estimate the sum of 48 + 38. 50 + 40 = 90	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages 62- 63	check the solve of the problem (right – wrong) 45 + 55 = 90

Teacher's Self Reflection ☐	Exceeds expectations ☐	Meets expectations ☐	Sometimes Meets Expectations ☐	Below Expectations ☐



Grade (2) class: ……………………… **Date:**……………………………… **present** :……….. **Absent:** …………. **Students' total number**: ………..

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher's Choices						
						Teacher guide Pages	Teaching strategies strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	Communication	Chapter 4	lesson 91	**LEARNING OBJECTIVES** • Participate in Calendar Math activities. • Create addition and subtraction sentences using fact families. • Explain the relationship between addition and subtraction. **KEY VOCABULARY** • Addend • Fact family • Inverse • Part • Whole **MATERIALS** • Calendar Math area • Number cards 0–9 (one set per pair of students) • Fact Family House poster • Mathematics Student Book and pencil	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn: Turn over two cards and record the numbers in the blue and yellow boxes. Add the numbers together and record the sum in the green box.** 12 5 7 5 + 7 = 12 7 + 5 = 12 12 – 5 = ___ ___ – ___ = ___	Pages 164 - 169	Calling Sticks - Relay Race	**-what do you remember about calendar? *- Turn over two cards and complete : ___ + ___ = ___ ___ + ___ = ___ ___ - ___ = ___ ___ - ___ = ___	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages 64- 66	Complete : 5 + ………… = 12

Teacher's Self Reflection ☐	Exceeds expectations ☐	Meets expectations ☐	Sometimes Meets Expectations ☐	Below Expectations ☐



Grade (2) class: ……………………… **Date:**………………………………… **present** :……….. **Absent:** …………. **Students' total number**: ………..

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher's Choices						
						Teacher guide Pages	Teaching strategies strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	Communication	Chapter 4	lesson 92	**LEARNING OBJECTIVES** • Participate in Calendar Math activities. • Use a number line to subtract. • Investigate the relationship between addition and subtraction using a number line. **KEY VOCABULARY** • Review vocabulary as needed. **MATERIALS** • Calendar Math area • Number line (string, yarn, or masking tape) • Large number cards (8 to 18) • Red crayon or colored pencil (one per student) • Mathematics Student Book and pencil	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn: Use the number line to subtract :** 28 – 8 = ☐ 38 – 15 = ☐ Number line: 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40	**Pages 170 - 173**	**Calling Sticks - Relay Race**	****-what do you remember about calendar?** ***- Use the number line to subtract :** 17 - 5 = ☐ 18 - 12 = ☐ 16 - 9 = ☐	**Calendar - discovery site**	**Allow students a moment to share their thoughts with a partner.**	**Pages 67**	**Use the number line to subtract : : 15 - 9 = ……..**

Teacher's Self Reflection ☐ Exceeds expectations ☐ Meets expectations ☐ Sometimes Meets Expectations ☐ Below Expectations ☐



Grade (2) class: .... Date:.. present :........... Absent: .... Students' total number: ....

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher's Choices						
						Teacher guide Pages	Teaching strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	Communication	Chapter 4	lesson 93	**LEARNING OBJECTIVES** • Participate in Calendar Math activities. • Solve story problems involving subtraction. • Identify words that signal them to subtract to solve a problem. **KEY VOCABULARY** • Review vocabulary as needed. **MATERIALS** • Calendar Math area • Manipulative for students, such as 120 Charts; bundled and loose straws or Base Ten blocks; and number lines • Mathematics Student Book and pencil	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn:** **Solve the story problems:** **1. Samir made 48 cookies. He gave 22 to his sister Dalia. How many cookies are left?** **48 – 22 = 26** **2. In the class there are 35 girls and 13 boys. How many more girls are there than boys?** **35 – 13 = 22**	**Pages 174 - 177**	**Calling Sticks - Relay Race**	****-what do you remember about calendar?** ***-Solve the story problems:** **3. Jana collected stamps. She had 180 stamps. She gave 20 to her brother. How many does she have left?** **180 – 20 = 160**	**Calendar - discovery site**	**Allow students a moment to share their thoughts with a partner.**	**Pages 68 - 69**	**Use the number line to subtract : : 56 - 25 = ...**

Teacher's Self Reflection ☐	Exceeds expectations ☐	Meets expectations ☐	Sometimes Meets Expectations ☐	Below Expectations ☐



Grade (2) class: .... **Date:**.. **present** :........... **Absent:** .... **Students' total number**: ....

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher's Choices						
						Teacher guide Pages	Teaching strategies strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	Communication	Chapter 4	lesson 94	**LEARNING OBJECTIVES** • Participate in Calendar Math activities. • Decompose 2-digit numbers into combinations of Tens and Ones. • Explain how decomposing numbers can be helpful. **KEY VOCABULARY** • Decompose • Decomposing **MATERIALS** • Calendar Math area • Dice (at least 2 per pair of students) • Place value materials from Lesson 84 • Mathematics Student Book and pencil	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn:** **20 + 14 decomposes 34 into 2 Tens and 14 Ones, and 10 + 10 + 10 + 4 decomposes 34 into 3 Tens and 4 Ones. We have decomposed 34 in different ways, but the value is still the same.** ***- decompose 65 in different ways** **60 + 5** **20 +20 +20 + 5** **30 +30 + 5** **10 + 10 + 10 + 10 + 10 + 10 + 5**	**Pages 178 - 181**	**Calling Sticks - Relay Race**	****-what do you remember about calendar?** ***- complete :** **87 = 80 + ________.** **87 = 70 + ________.** **_______ + 27 = 87** **.............. + 37 = 87** **40 + --------- = 87** **30 + --------- = 87** **67 + ... = 87** **10 + ... = 87**	**Calendar - discovery site**	**Allow students a moment to share their thoughts with a partner.**	**Pages 70 - 71**	**Use the number line to subtract : : 54 + ... = 84**

Teacher's Self Reflection ☐	Exceeds expectations ☐	Meets expectations ☐	Sometimes Meets Expectations ☐	Below Expectations ☐



Grade (2) class: ……………………… Date:………………………………… present :………. Absent: …………. Students' total number: ……….

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher guide Pages	Teaching strategies strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
						Teacher's Choices						
Maths	Communication	Chapter 4	lesson 95	**LEARNING OBJECTIVES** • Participate in Calendar Math activities. • Apply mental math strategies to subtract by Tens or Hundreds. • Use known subtraction answers to solve new problems. **KEY VOCABULARY** • Cluster problem **MATERIALS** • Calendar Math area • Poster of small groups (or a list on the board) • Sets of Cluster Cards (one set for each group of four or five students) • Place value materials from Lesson 84 • Mathematics Student Book and pencil	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn:** **Cluster problems are sets of three or more problems that use known facts from the first problems to answer a more difficult problem.** **94 – 10 = _____** **94 – 20 = _____** **94 – 40 = _____** **94 – 44 = _____** **94 – 14 = _____**	Pages 182 - 185	Calling Sticks - Relay Race	**-what do you remember about calendar?** **- Pick a Cluster Card. Record the letter of the card and solve the problems.** Card _____ 1. _____ 2. _____ 3. _____ 4. _____ 5. _____	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages 72 - 74	Use the number line to subtract : : 27 – 10 = ………

Teacher's Self Reflection ☐	Exceeds expectations ☐	Meets expectations ☐	Sometimes Meets Expectations ☐	Below Expectations ☐



Grade (2) class: .... **Date:**.................................... **present** :........... **Absent:** .... **Students' total number**: ....

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher guide Pages	Teaching strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
						Teacher's Choices						
Maths	Communication	Chapter 4	lesson 96	**LEARNING OBJECTIVES** • Participate in Calendar Math activities. • Use place value models to regroup and subtract. • Subtract 2-digit numbers with regrouping. • Define regrouping. **KEY VOCABULARY** • Review vocabulary as needed. **MATERIALS** • Calendar Math area • Large Hundreds–Tens–Ones place value mat • Place value materials from Lesson 84 • Mathematics Student Book and pencil	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn:** 82 – 57 = ______. Hundreds / Tens / Ones: 5 / 7 Hundreds / Tens / Ones: 5 / 7 82 – 57 =25	Pages 186- 190	Calling Sticks - Relay Race	**-what do you remember about calendar? *- Find the result with regrouping 54 – 36 = ... 92 – 75 = ... 63 – 38 = ... 91 – 17 = ... 74 – 69 = ...	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages 75 - 77	Find the result with regrouping : 87 – 39 = ...

Teacher's Self Reflection ☐	Exceeds expectations ☐	Meets expectations ☐	Sometimes Meets Expectations ☐	Below Expectations ☐



Grade (2) class: ……………………… **Date:**……………………………… **present** :……….. **Absent:** …………. **Students' total number**: ……….

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher's Choices						
						Teacher guide Pages	Teaching strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	Communication	Chapter 4	lesson 97	**LEARNING OBJECTIVES** • Participate in Calendar Math activities. • Use place value models to regroup and subtract. • Subtract 2-digit numbers with regrouping. • Apply strategies to estimate differences. **KEY VOCABULARY** • Difference • Subtrahend • Subtraction • Minuend **MATERIALS** • Calendar Math area • Large Hundreds–Tens–Ones place value mat • Place value materials from Lesson 84 • Mathematics Student Book and pencil	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn: 173 – 48 = _____.** Hundreds | Tens | Ones - | 4 | 8 Hundreds | Tens | Ones - | 4 | 8 **173 – 48 =125**	**Pages 191- 195**	**Calling Sticks - Relay Race**	**-what do you remember about calendar? *- Estimate the difference. Then, draw the problem, subtract, write the difference, and then compare the difference to your estimate. Hundreds | Tens | Ones 1. 173 - 48 = Estimate	**Calendar - discovery site**	**Allow students a moment to share their thoughts with a partner.**	**Pages 78 - 79**	**Find the result with regrouping : 234 – 29 = ………**

Teacher's Self Reflection ☐	Exceeds expectations ☐	Meets expectations ☐	Sometimes Meets Expectations ☐	Below Expectations ☐



Grade (2) class: .... Date:.................................... present :.......... Absent: .... Students' total number: ....

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher's Choices						
						Teacher guide Pages	Teaching strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	Communication	Chapter 4	lesson 98	**LEARNING OBJECTIVES** • Participate in Calendar Math activities. • Use place value models to regroup and subtract. • Subtract 2- and 3-digit numbers with regrouping. • Apply strategies to estimate differences. **KEY VOCABULARY** • Difference • Subtrahend • Subtraction • Minuend **MATERIALS** • Calendar Math area • Large Hundreds–Tens–Ones place value mat • Place value materials from Lesson 84 • Mathematics Student Book and pencil	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn:** 329 – 179 = _ _ Hundreds / Tens / Ones - 1 / 7 / 9 Hundreds / Tens / Ones - 1 / 7 / 9 **329 – 179 = 150**	Pages 196- 199	Calling Sticks - Relay Race	****-what do you remember about calendar?** ***- Estimate the difference. Then, draw the problem, subtract, write the difference, and then compare the difference to your estimate.** 1 329 - 179 = Estimate Hundreds / Tens / Ones	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages 80	Find the result with regrouping : 192 – 129 = ...

Teacher's Self Reflection ☐	Exceeds expectations ☐	Meets expectations ☐	Sometimes Meets Expectations ☐	Below Expectations ☐



Grade (2) class: .... **Date:**...................................... **present** :........... **Absent:** .... **Students' total number**: ....

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher's Choices						
						Teacher guide Pages	Teaching strategies strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	Communication	Chapter 4	lesson 99	**LEARNING OBJECTIVES** • Participate in Calendar Math activities. • Subtract 2- and 3-digit numbers with regrouping. • Make connections between concrete and abstract models of regrouping. • Apply strategies to estimate differences. **KEY VOCABULARY** • Review vocabulary as needed **MATERIALS** • Calendar Math area • Mathematics Student Book and pencil	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn:** 456 – 39 = ______ Hundreds | Tens | Ones 4 | 5 | 6 - | 3 | 9 Hundreds | Tens | Ones 4 | ~~5~~ 4 → 16 - | 3 | 9 4 | 1 | 7 456 – 39 = 417	Pages 200 - 204	Calling Sticks - Relay Race	**-what do you remember about calendar? *- Work with your teacher to solve subtraction problems . Record your work below. 562 – 145 638 – 46 43 – 17 347 – 82	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	Pages 81 – 83	Find the result with regrouping : 111 – 55 = ...

Teacher's Self Reflection ☐	Exceeds expectations ☐	Meets expectations ☐	Sometimes Meets Expectations ☐	Below Expectations ☐



Grade (2) class: ……………………… Date:…………………………………. present :……….. Absent: …………. Students' total number: ……….

Content/ window	theme	Chapter	Lesson	Learning outcomes	Activities	Teacher's Choices						
						Teacher guide Pages	Teaching strategies strategies	Questions Modeling	Digital sources	Differentiation / Challenges	Math's Journal	Enrichment
Maths	Communication	Chapter 4	lesson 100	**LEARNING OBJECTIVES** • Participate in Calendar Math activities. • Share 100th day collections. • Analyze their math learning over the last 100 days. **KEY VOCABULARY** • Review vocabulary as needed **MATERIALS** • Calendar Math area • 100th Day Celebration materials • Mathematics Student Book and pencil	**Calendar:** Use the Calling Sticks to select one student to lead Calendar Math. **Learn:** **Today is a very special day. It is our 100th day of school. I am very excited to see all of your 100th day collections. Please take out your collection and display it on your table. We will do a Gallery Walk to see everyone's collections. See how quickly you can count some of them.**	Pages 205 - 207	Calling Sticks - Relay Race	**-what do you remember about calendar? *- students think about how much they have learned about mathematics over the last 100 days and share their thoughts with the class. This exercise will help all students realize that they have learned a great deal, even if they still have difficulty in some areas of math.	Calendar - discovery site	Allow students a moment to share their thoughts with a partner.	-------------------	------------------------

Teacher's Self Reflection ☐	Exceeds expectations ☐	Meets expectations ☐	Sometimes Meets Expectations ☐	Below Expectations ☐

